The technological line according to any of claims 25 to 29 wherein it additionally 37. comprises at least one anti-vibration system.

- The technological line according to any of claims 25 to 29 wherein it additionally 38. equipped with a system of automatic control and/or a system of control over the process.
- The apparatus according to claim 18, comprising at least one processing channel 39. situated between at least one unit for feeding the solvent and at least one unit for removing the solvent, which is open at least partially from the side of the substrate.

## REMARKS

This is a preliminary amendment under 37 CFR 1.115. Claims 1, 5, 7, 9-11, 18, and 27 are amended and new claims 30-39 are added. The amendment of the claims does not unduly interfere with the preparation of a office action by the Examiner. New claims 30-39 are supported in the specification, e.g., on pages 9-14. Entry of the preliminary amendment is therefore respectfully requested.

Claims 1-39 are pending in this application.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

The Commissioner is hereby authorized to charge any underpayment of fees associated with this communication or credit any overpayment to our Deposit Account No. 06-1300 (Order No. A-70277/AJT).

Respectfully submitted,

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## VERSION WITH MARKINGS TO SHOW CHANGES MADE

## In the Claims:

Amend the claims as follows. All pending claims are listed below, whether amended or not, for the Examiner's convenience.

1. (Amended) Apparatus for formation of polarizers from lyotropic liquid crystals (LLC) based on at least one organic compound comprising:

at least one system for application of LLC onto at least one substrate <u>supported on at least</u> one <u>substrate holder</u>,

at least one system for applying orienting force on LLC and/or on the molecules and/or on the molecular supra-complexes of the organic compound, and

a means for supporting said systems with the possibility of relative movement between the systems and said at least one substrate holder,

wherein said at least said one system for applying orienting force comprises at least one plate, one end of which is fixed such that during relative movement of the plate and the substrate holder at least a part of the plate's surface travels unrestricted over the surface of the applied film providing an external orienting force on LLC and/or molecules and/or supra-molecular complexes of the organic [matter(s)] compound.

- 2. (Unchanged) Apparatus according to claim 1 wherein said at least one system for application of the LLC includes means of feeding the LLC onto the substrate.
- 3. (Unchanged) Apparatus according to claim 2 wherein said at least one means of feeding LLC comprises at least one injector.
- 4. (Unchanged) Apparatus as in claim 2 wherein said at least one means for feeding LLC comprises at least one roller.

- 5. (Amended) Apparatus as in claim [4]  $\underline{2}$  which includes at least one channel with metering dispenser.
- 6. (Unchanged) Apparatus according any of claims 1-3 wherein at least one system for application of the LLC comprises at least one element for application LLC onto the substrate and at least one roller.
- 7. (Amended) Apparatus as in claim 2 in which said at least one system for application of LLC onto the substrate includes at least one <u>doctor blade or</u> rod.
- 8. (Unchanged) Apparatus according to claim 6 wherein on the surface of at least one roller there is a relief pattern.
- 9. (Amended) Apparatus according to any of claims 1, 2, [6] or 7 wherein at least a part of the surface of the plate possesses hydrophilic or hydrophobic qualities.
- 10. (Amended) Apparatus according to any of claims 1, 2, [6] or 7 wherein at least on a part of the surface of the plate(s) there is a relief (pattern).
- 11. (Amended) Apparatus according to any of claims 1, 2, [6] or 7 wherein the plate(s) is (are) made out of a polymer material or rubber or at least two different materials comprising separate parts of the plate(s) and/or comprising the layers of the plate(s).
- 12. (Unchanged) Apparatus according to claim 2 wherein at least one system of application is installed with the possibility of vertical movement relative to the substrate holder(s).
- 13. (Unchanged) Apparatus according to claim 2 wherein at least one system of application is installed with the possibility of horizontal movement relative to the substrate holder.

- 14. (Unchanged) Apparatus according to claim 1 wherein at least one system of application is implemented as at least one fixed roller, which is installed with the possibility of movement to force the plate to the film under formation.
- 15. (Unchanged) Apparatus according to claim 1 wherein the plate is implemented in a rectangular shape.
- 16. (Unchanged) Apparatus according to claim 1 wherein it is additionally supplied with at least one anti-vibration means.
- 17. (Unchanged) Apparatus according to claim 1 wherein it is additionally supplied with a system of automatic control over the process of formation.
- 18. (Amended) Apparatus for local removal of a polarizing film [of] formed from LLC of at least one organic compound, comprising
- at least one system of feeding solvent of the film's material, implemented in at least one directing channel, and
- at least one <u>discharging and/or</u> vacuum system for removal of the solvent and dissolved LLC.
- 19. (Unchanged) Apparatus according to claim 18 wherein the system of feeding and the system of removal are installed so that their longitudinal axes are situated in the direction perpendicular to the plane of the substrate holder.
- 20. (Unchanged) Apparatus according to claim 18 or 19 wherein the system of feeding and the system of removal are mounted for vertical and/or horizontal movement.
- 21. (Unchanged) Apparatus according to claim 18 including a substrate holder wherein the system of feeding and the systems of removal on one hand, and the substrate holder on the other, are mounted for relative movement with respect to one another.

- 22. (Unchanged) Apparatus according to claim 18 wherein the system of feeding and the system of removal are mounted for relative movement with respect to one another.
- 23. (Unchanged) Apparatus according to claim 18 wherein the system of feeding and the systems of removal comprise coaxial tubes, and the inner diameter of the tube for removal is larger than the inner diameter of the tube for feeding of solvent.
- 24. (Unchanged) Apparatus according to claim 18 wherein the system(s) of feeding and the systems of removal are mounted at a fixed distance from each other.
- 25. (Unchanged) Technological production line for formation of polarizers, comprising at least one system of formation of polarizing films, obtained from LLC of at least one organic compound,
- at least one system of local removal of polarizing film's material, obtained from LLC of at least one organic compound,
  - at least one substrate holder, and
- at least one system for providing relative movement between the substrate holder and said at least one system for formation and at least one system for local removal of the polarizing film.
- 26. (Unchanged) Technological line according to claim 25 wherein at least one apparatus for formation of films is implemented according to claim 1.
- 27. (Amended) Technological line according to claim 26 wherein at least one system of local removal is implemented according to claim [17] 18.
- 28. (Unchanged) Technological line according to claim 27 wherein the technological production line is placed in a chamber and is implemented in a single casing.
- 29. (Unchanged) Technological line according claim 27 wherein it is additionally equipped with at least one means of drying.

- 30. (New) The apparatus according to claim 1 wherein one end of the plate(s) is (are) fastened on one and/or different holders with the system(s) of application or directly on at least one system of application.
- 31. (New) The apparatus according to claim 1 wherein at least one system of application is implemented as at least one fixed roller, which is installed with the possibility of movement to provide clasping of the plate(s) to the film(s) under formation.
- 32. (New) The apparatus according to claim 1 wherein at least one system of orienting force is additionally supplied with at least one means of clasping of the plate(s) to the film(s) under formation.
- 33. (New) The technological line according to any of claims 25 to 29 wherein at least one system of formation of films and at least one system of local removal and at least one substrate holder are situated on a single or different bases.
- 34. (New) The technological line according to any of claims 25 to 29 wherein it is additionally equipped with at least one manipulator for transfer and/or transportation of products.
- 35. (New) The technological line according to any of claims 25 to 29 wherein it additionally comprises at least one table for between-operational transfer and/or storing.
- 36. (New) The technological line according to claim 29 wherein at least one means of drying is implemented as a heater or a system of air blowing or a system of radiation.
- 37. (New) The technological line according to any of claims 25 to 29 wherein it additionally comprises at least one anti-vibration system.

- 38. (New) The technological line according to any of claims 25 to 29 wherein it additionally equipped with a system of automatic control and/or a system of control over the process.
- 39. (New) The apparatus according to claim 18, comprising at least one processing channel situated between at least one unit for feeding the solvent and at least one unit for removing the solvent, which is open at least partially from the side of the substrate.